

Porter Square Design Project

City of Cambridge
and
Porter Square Citizen Advisory Committee

*In Association With:
Earth Tech, Inc.
Halvorson Design Partnership*

Community Meeting – February 26, 2003

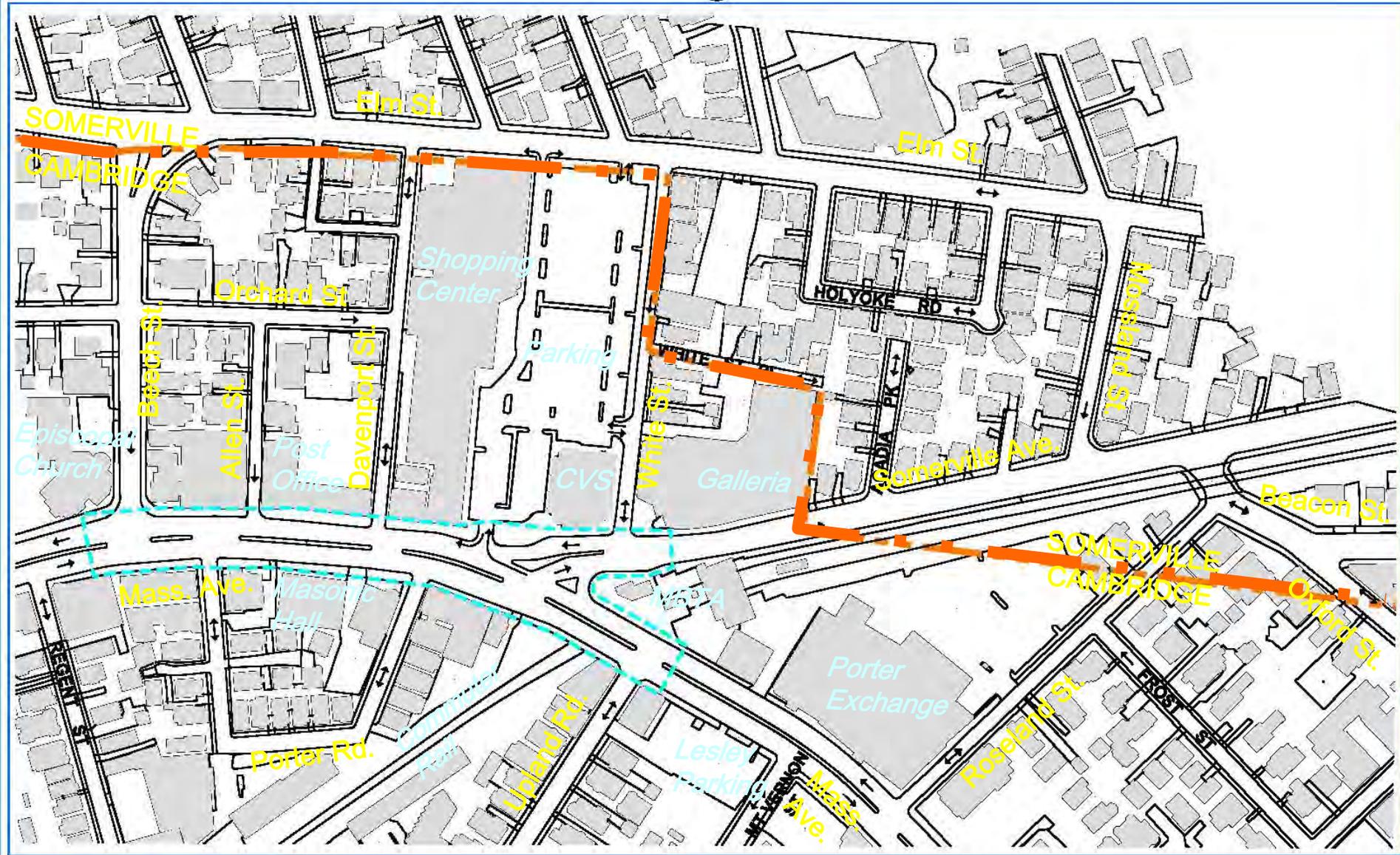
AGENDA

- 1. *PROJECT BACKGROUND AND DESIGN PROCESS***
- 2. *PROJECT GOALS***
- 3. *ADVISORY COMMITTEE PERSPECTIVE***
- 4. *REVIEW OF PLAN***
- 5. *SMALL GROUP DISCUSSIONS***
- 6. *REPORTING BACK***
- 7. *NEXT STEPS***

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PROJECT AREA



PORTER SQUARE DESIGN PROJECT



PROJECT AREA



BACKGROUND AND PROCESS

- ***PORTER SQUARE CAC FORMED IN 1997***
 - ***14 Members Including Residents and Business Owners***
- ***CAC MET DURING 1997-1998***
- ***CAC RECONVENED IN FALL 2002***
- ***DESIGN THROUGH SUMMER 2003***
- ***CONSTRUCTION IN EARLY 2004***

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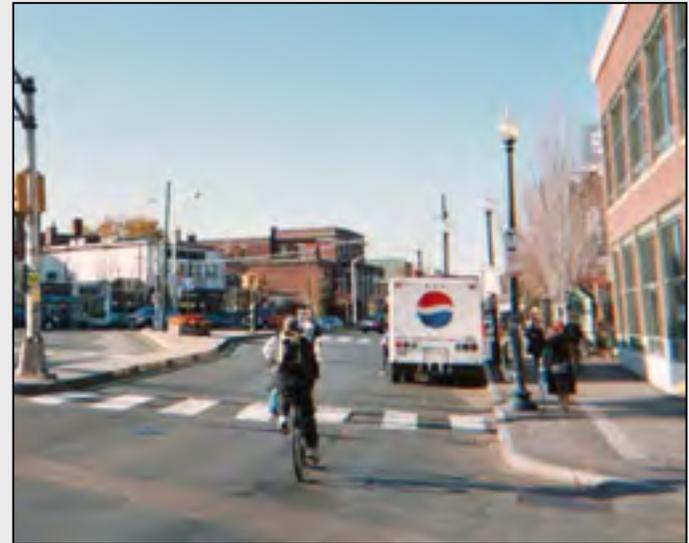
GOALS AND CHALLENGES

- *Reduce Vehicular Dominance*
- *Improve Conditions for Pedestrians, Cyclists, Transit Users*
- *Reduce Cut-Through and Shopping Center Traffic on Local Streets*
- *Improve Streetscape – Create Sense of Place*
- *Improve Traffic Safety for All Users*
- *Maintain Traffic Level of Service at or Near Existing Conditions*

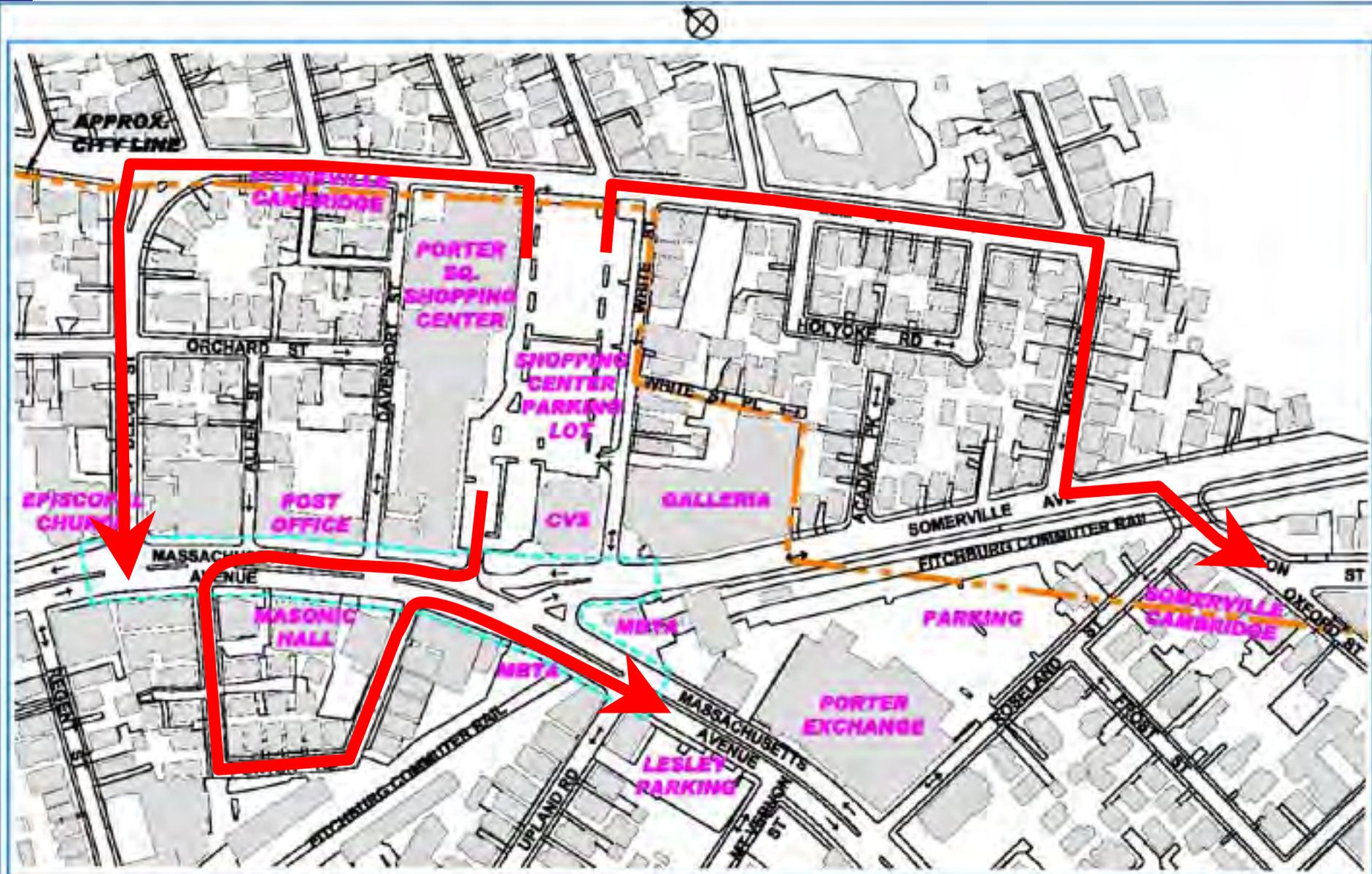
REDUCE VEHICULAR DOMINANCE



IMPROVE CONDITIONS FOR PEDS/BIKES/TRANSIT USERS



REDUCE TRAFFIC ON LOCAL STREETS



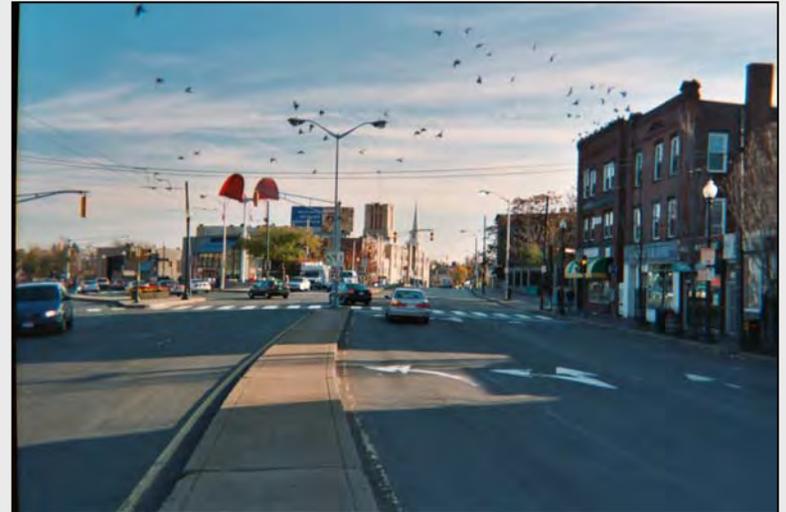
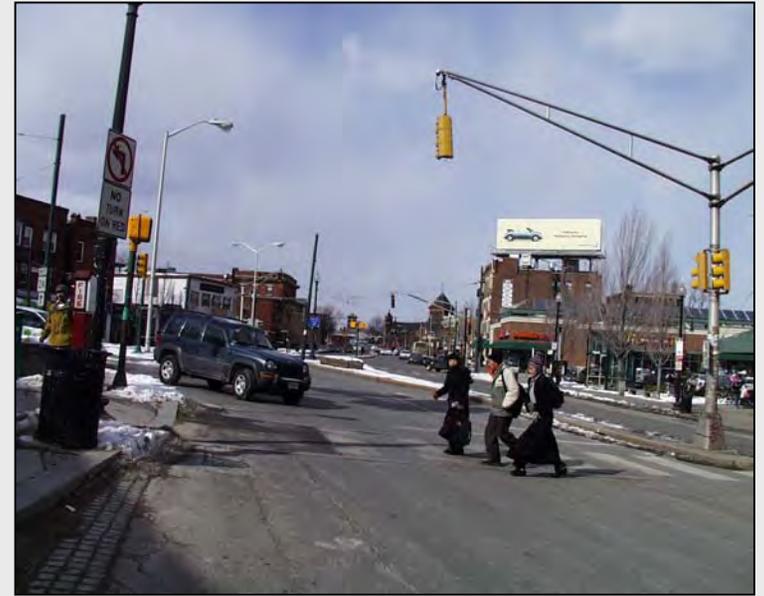
PORTER SQUARE DESIGN PROJECT



IMPROVE STREETSCAPE / CREATE SENSE OF PLACE



IMPROVE TRAFFIC SAFETY FOR ALL USERS



MAINTAIN TRAFFIC LEVEL-OF-SERVICE AT OR NEAR EXISTING CONDITIONS



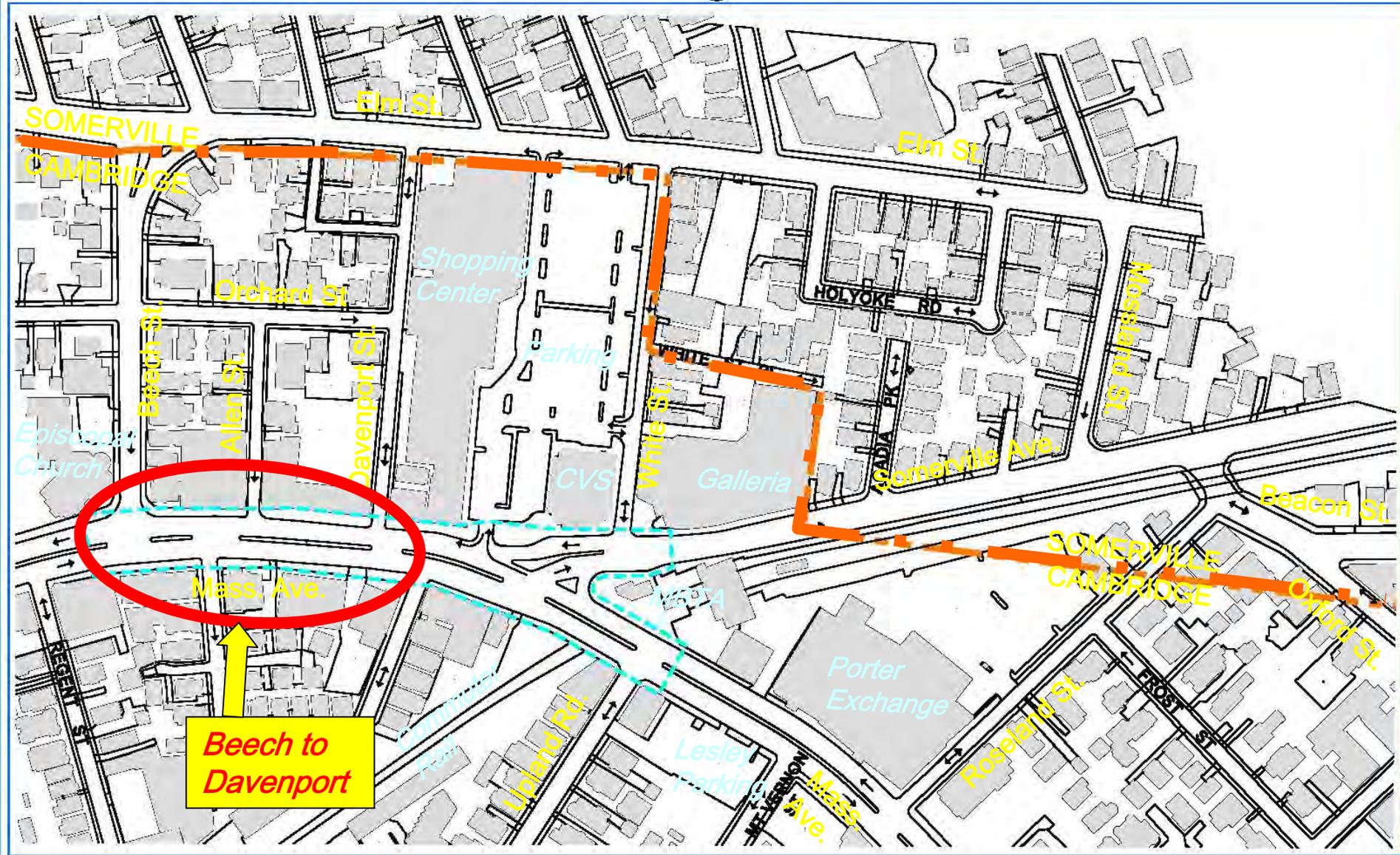
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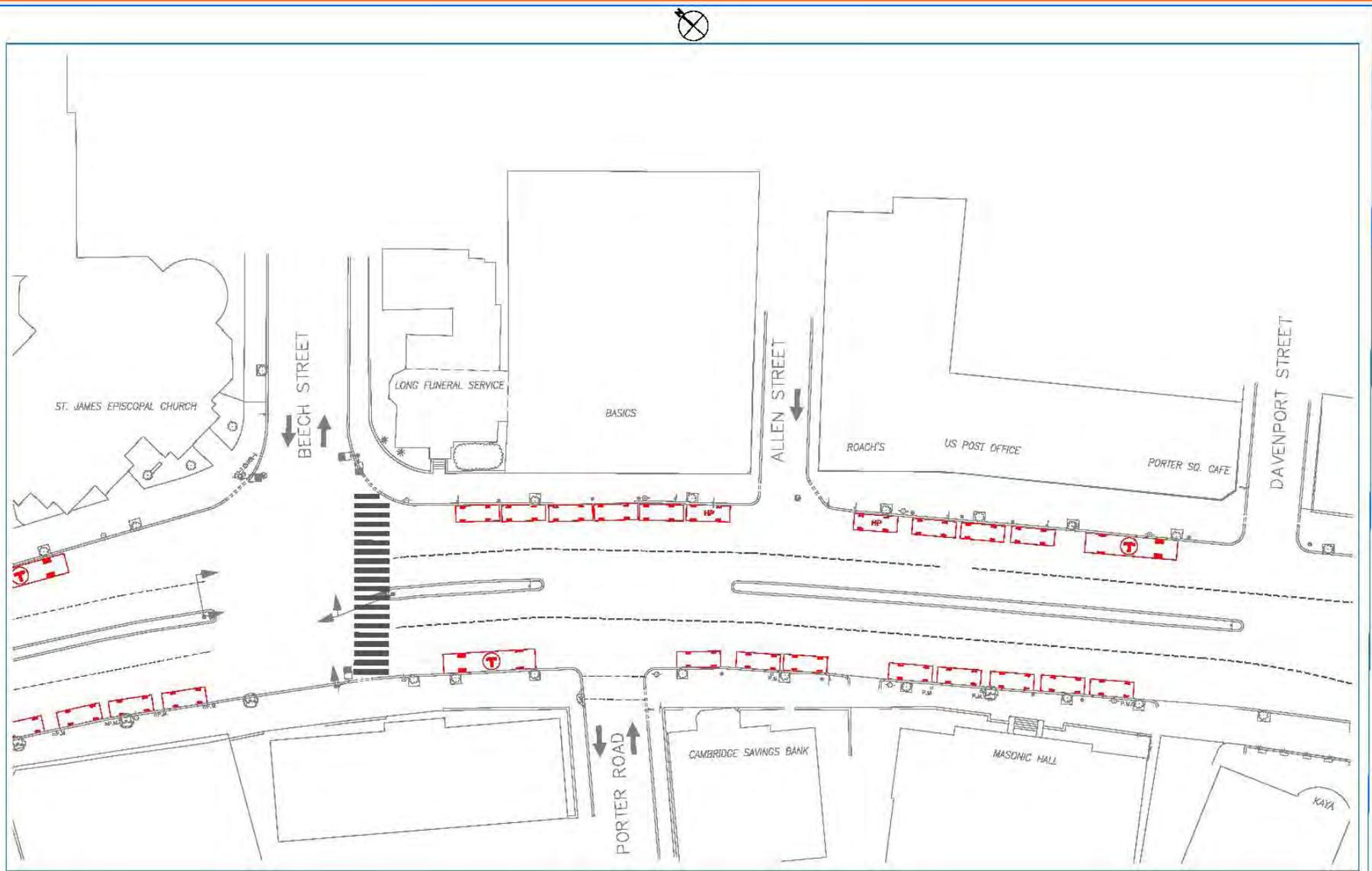
PROJECT AREA



Beech to Davenport



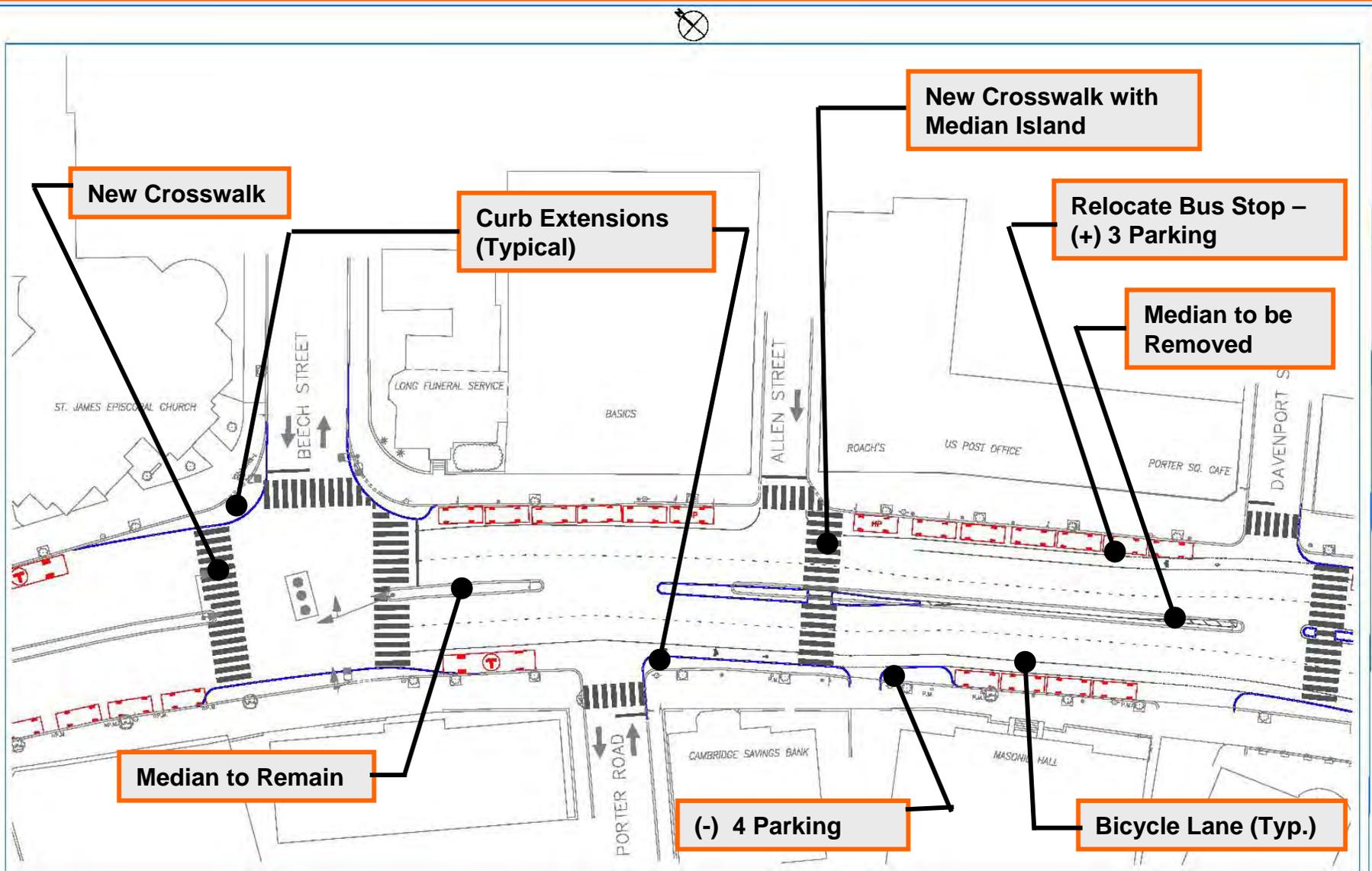
BEECH ST. TO DAVENPORT ST.



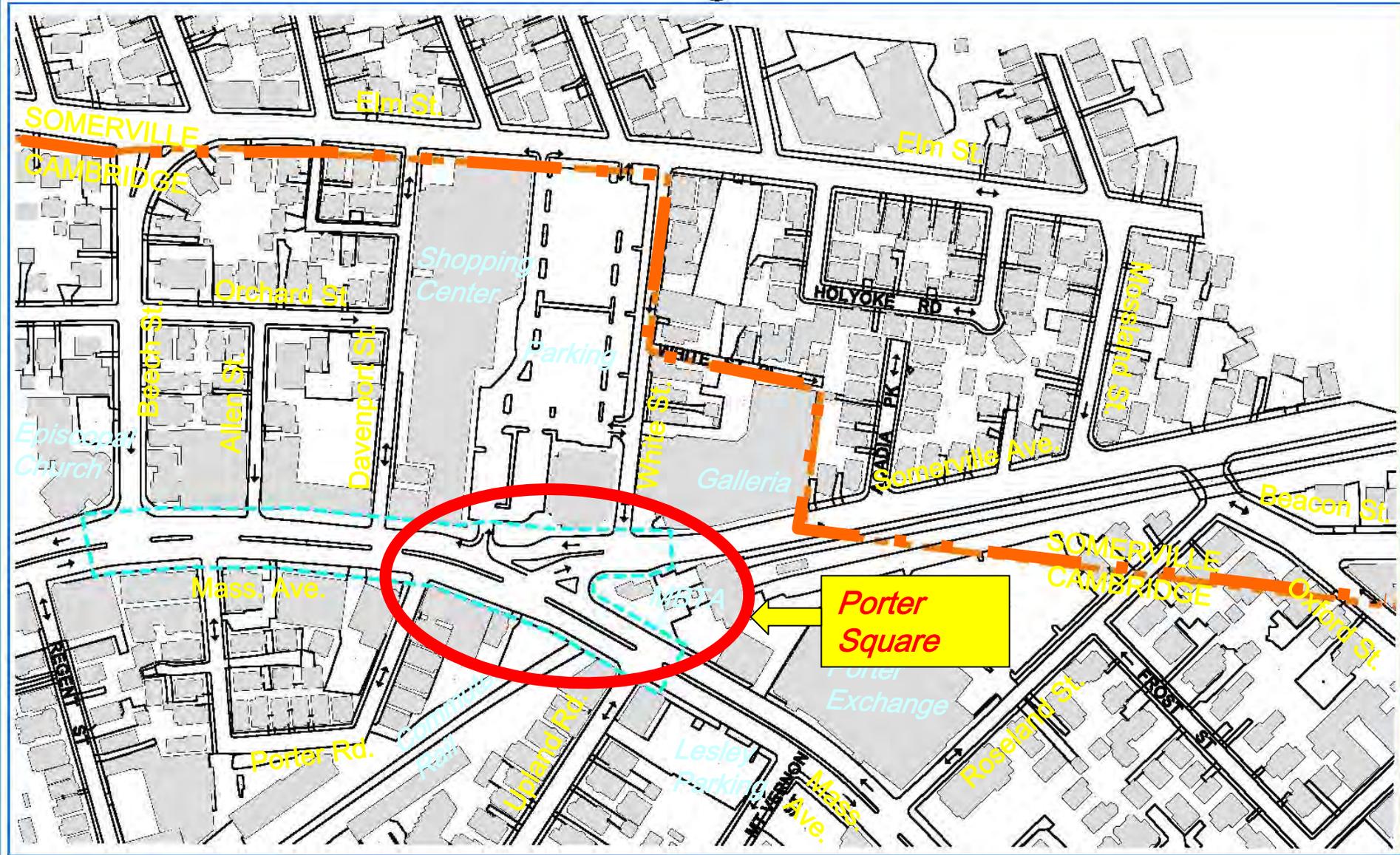
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BEECH ST. TO DAVENPORT ST.



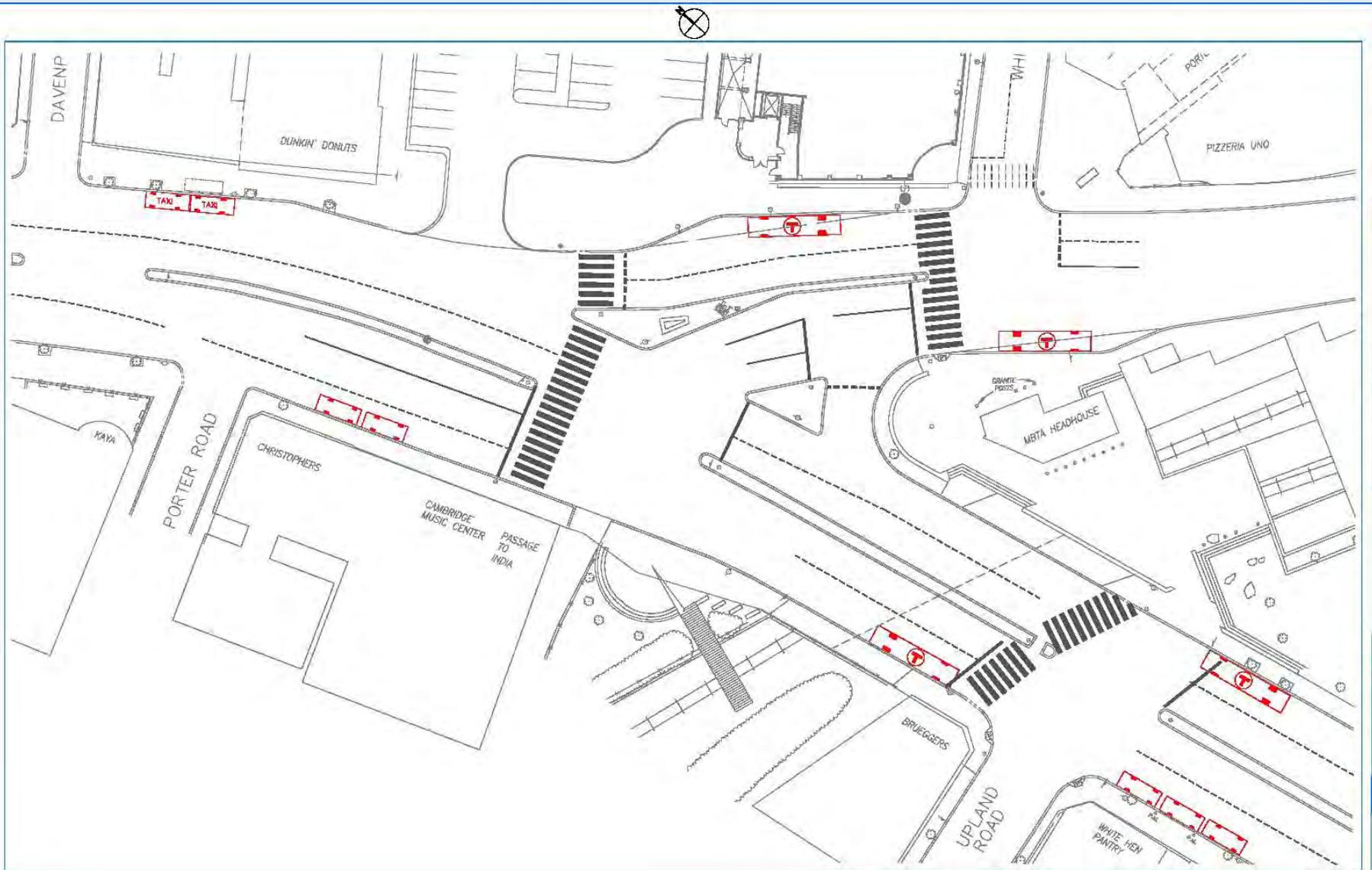
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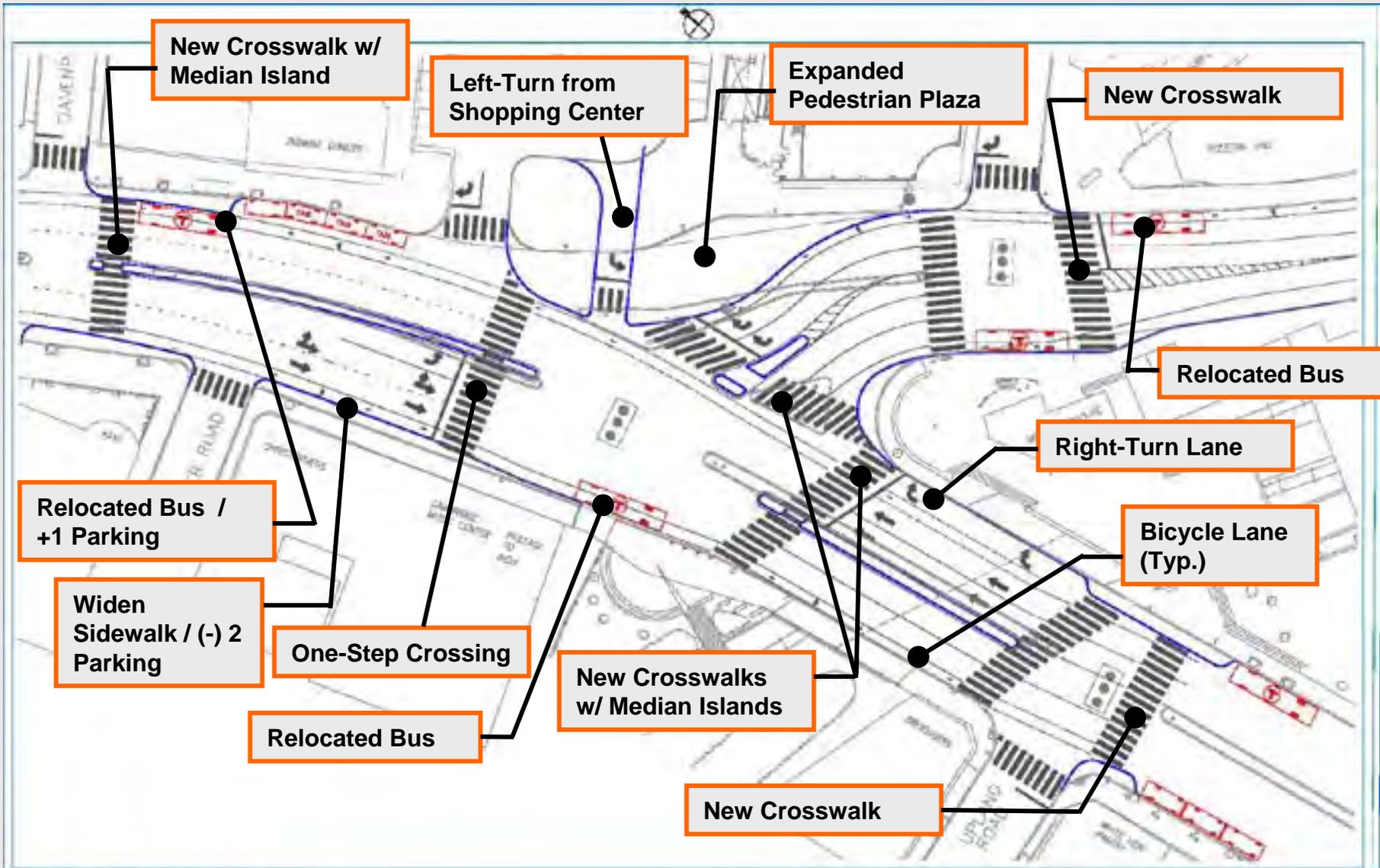
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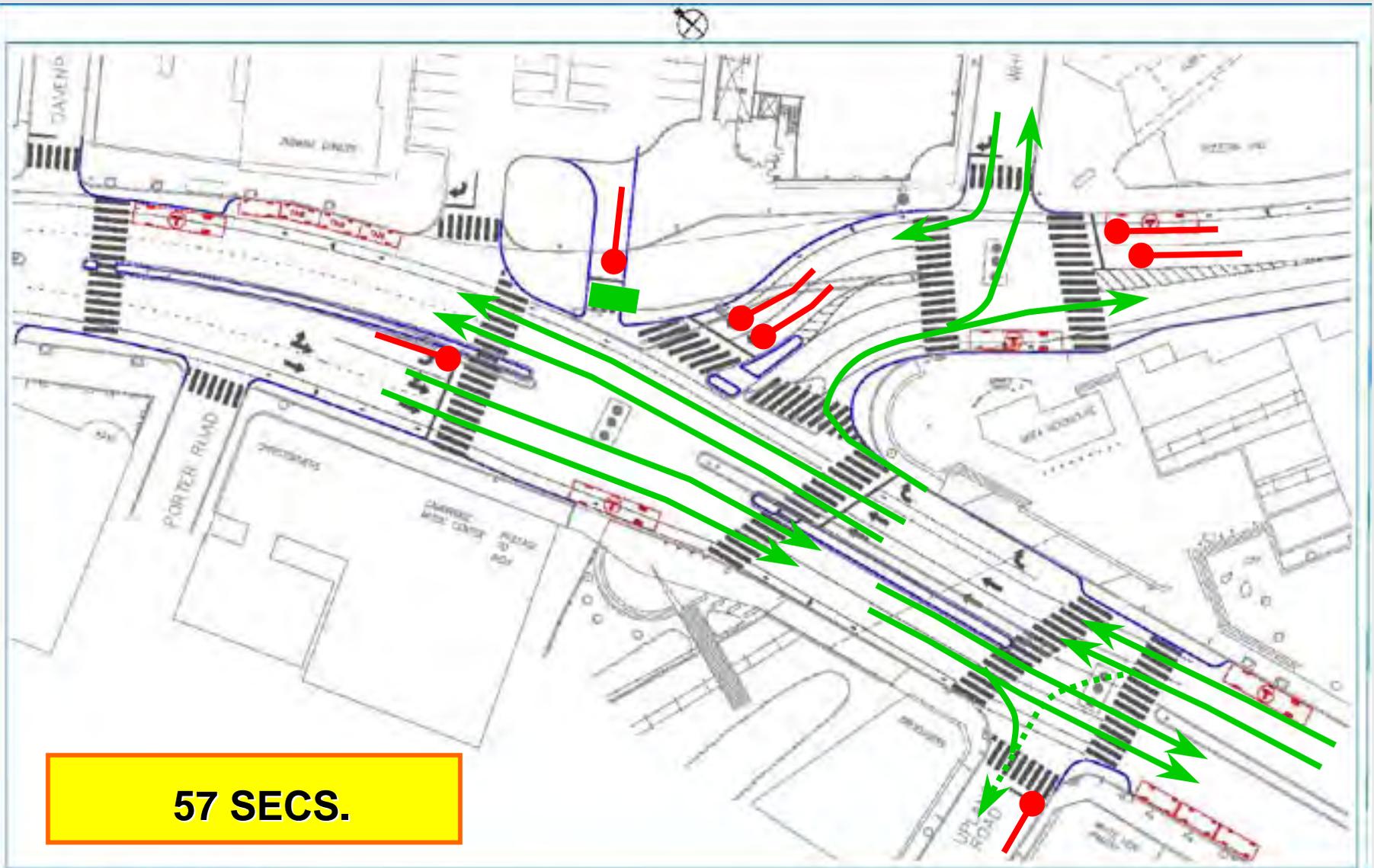
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PORTER SQUARE

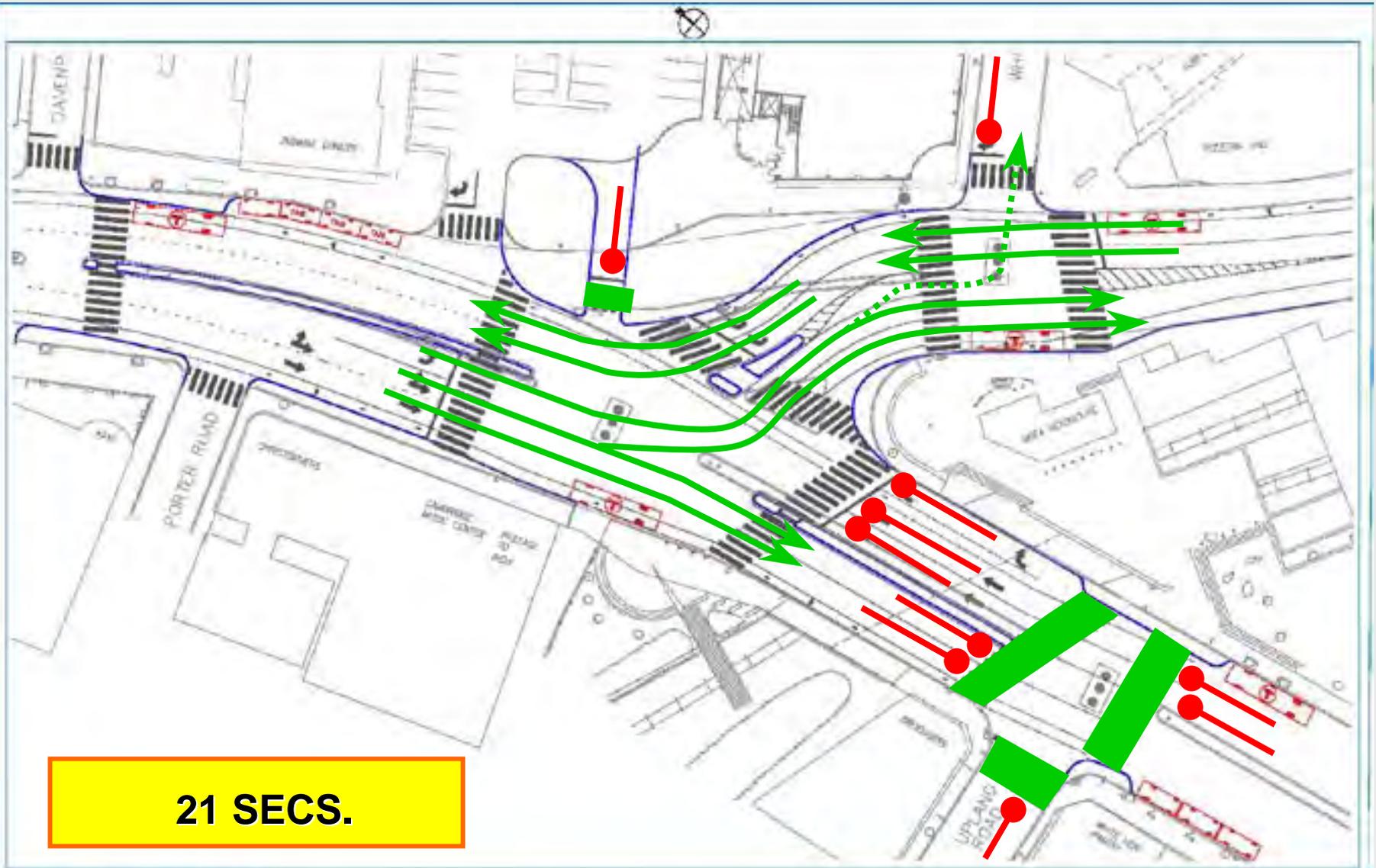


SIGNAL TIMING (A.M. PEAK)



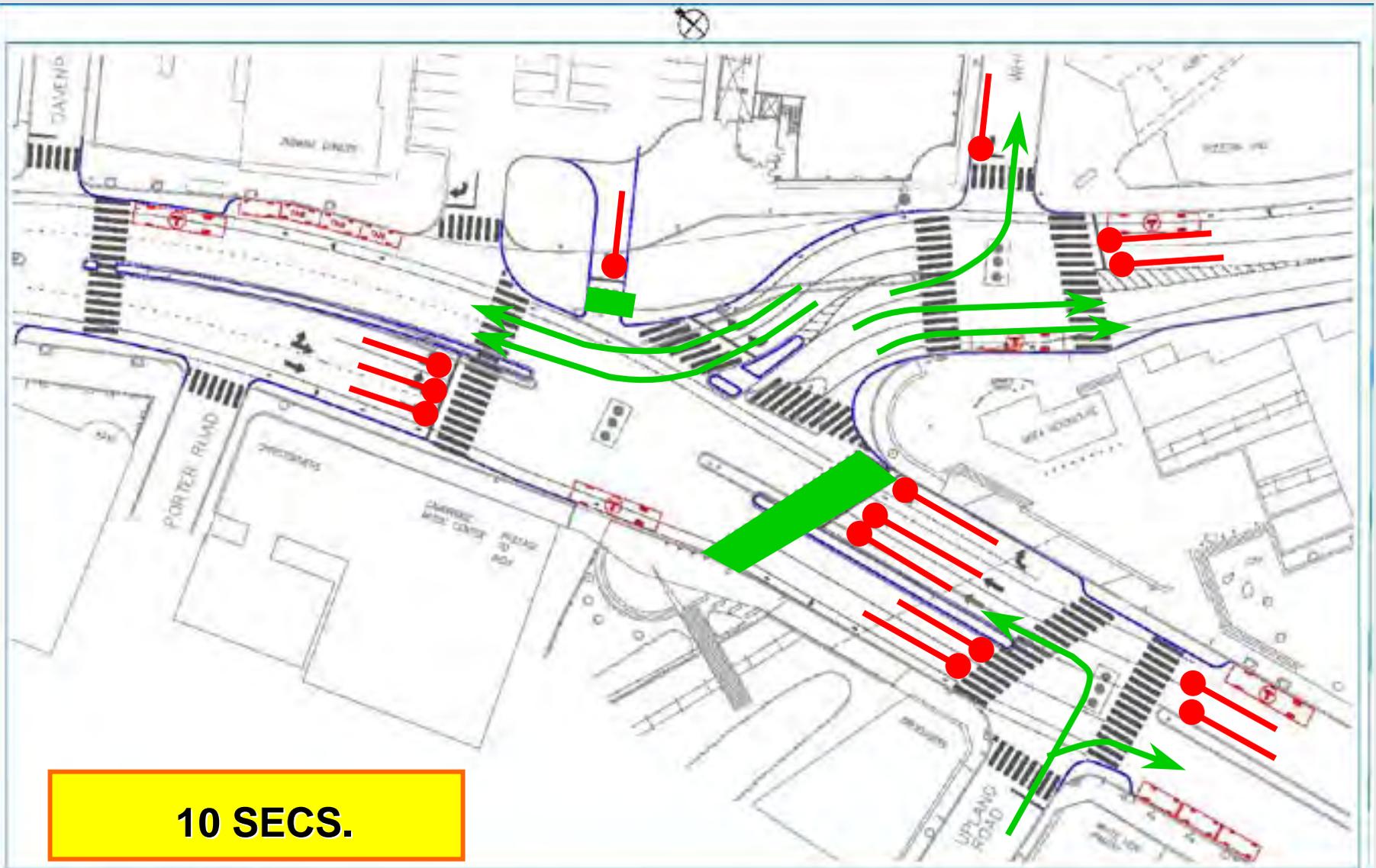
57 SECS.

SIGNAL TIMING (A.M. PEAK)



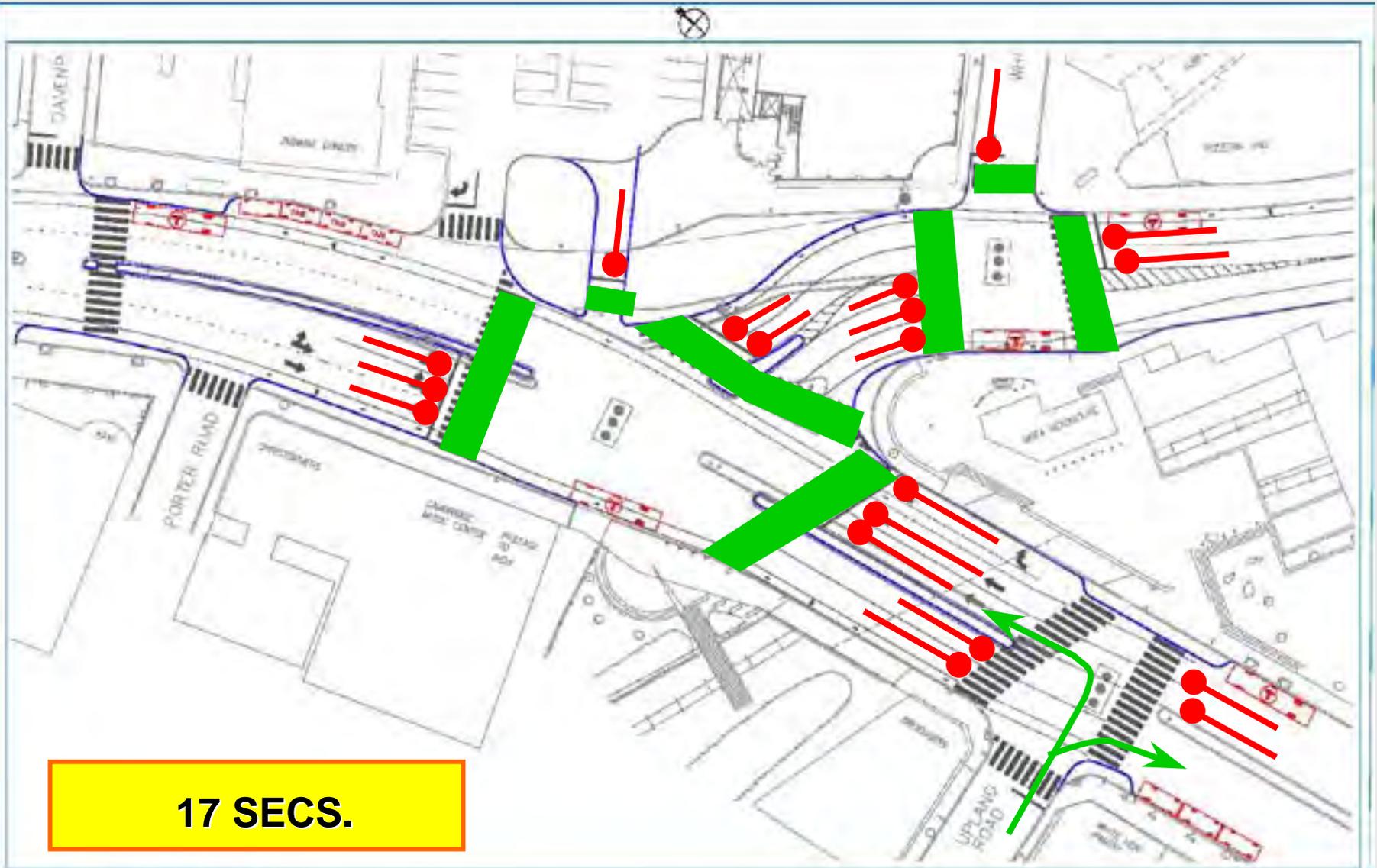
21 SECS.

SIGNAL TIMING (A.M. PEAK)



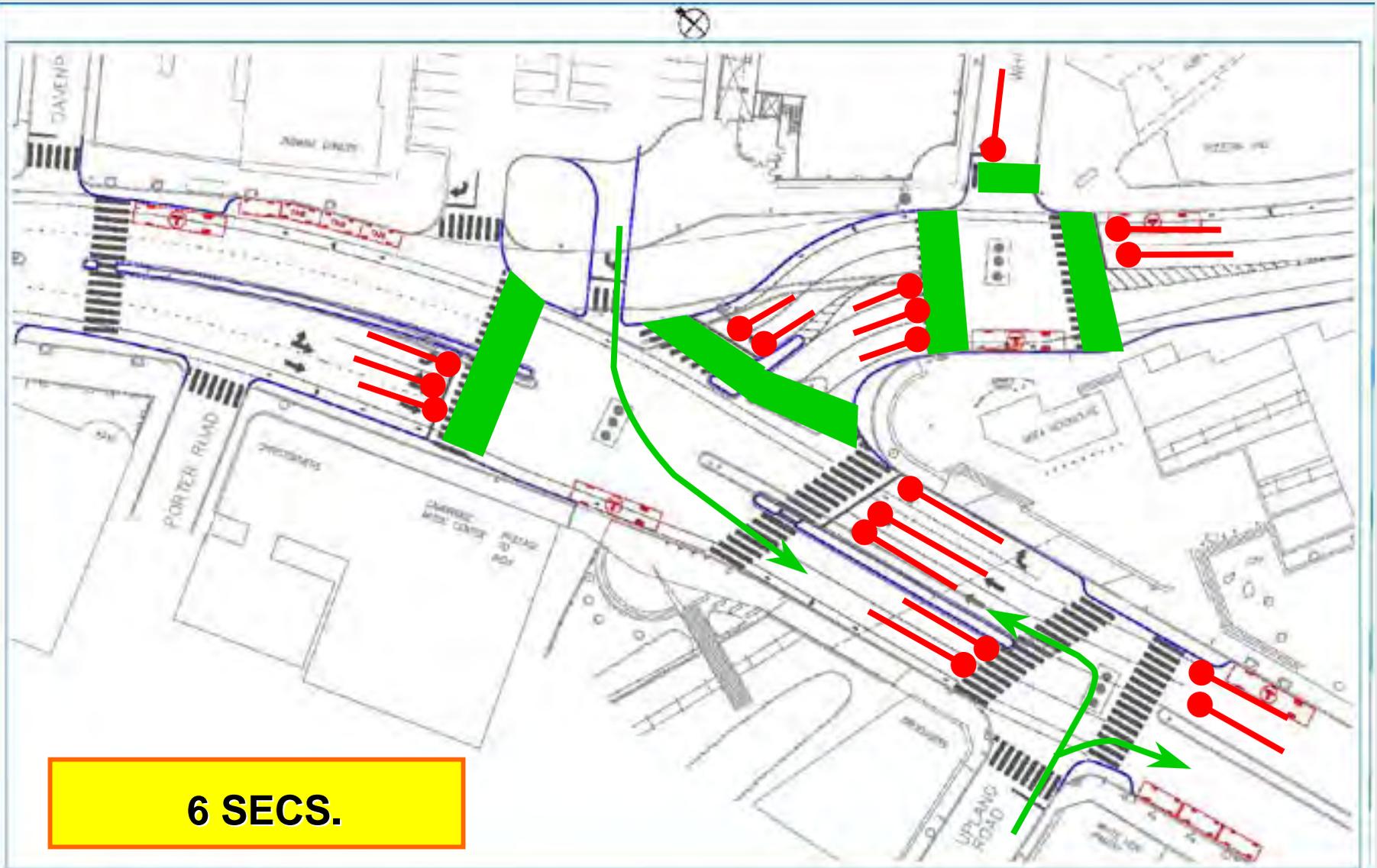
10 SECS.

SIGNAL TIMING (A.M. PEAK)



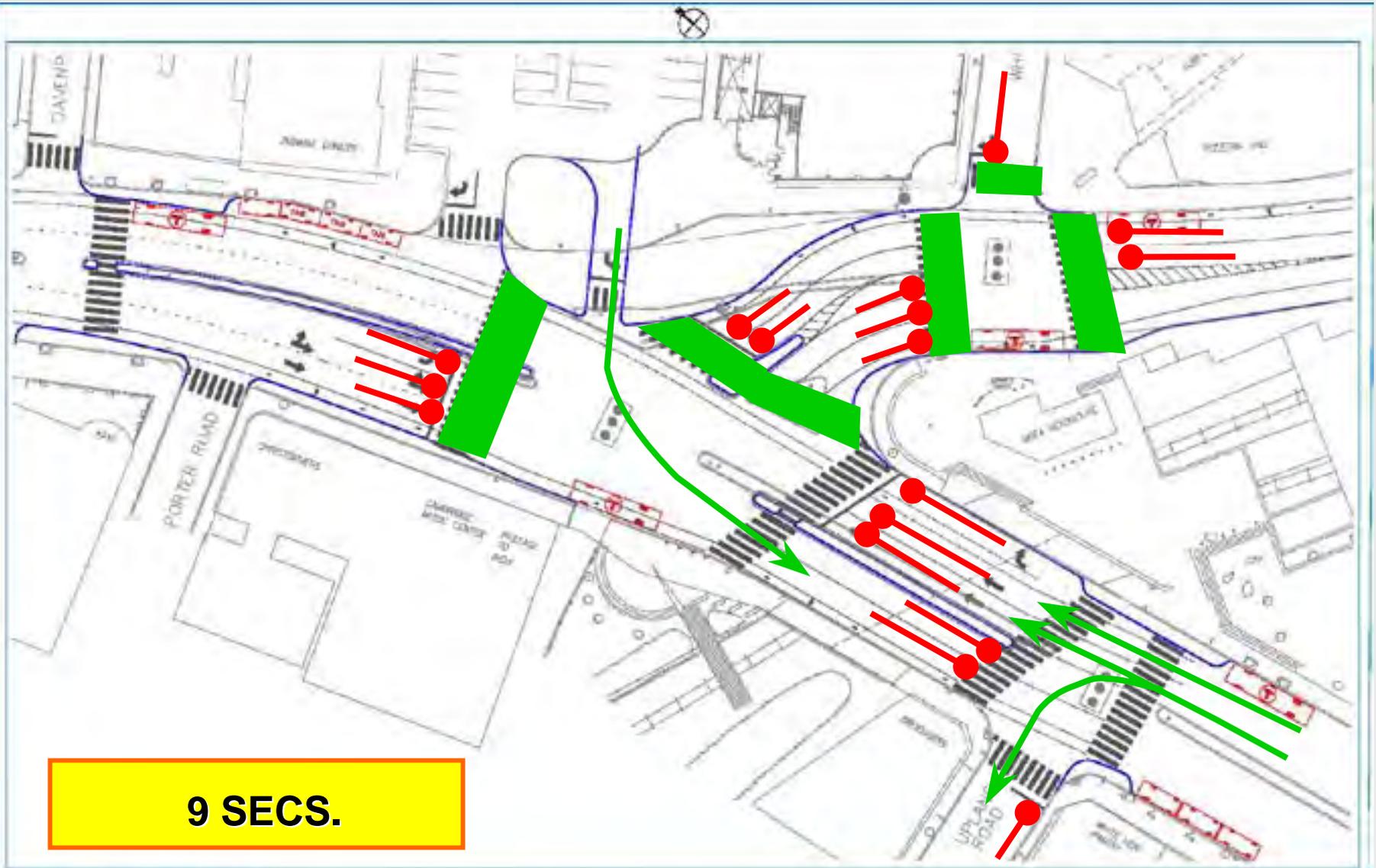
17 SECS.

SIGNAL TIMING (A.M. PEAK)



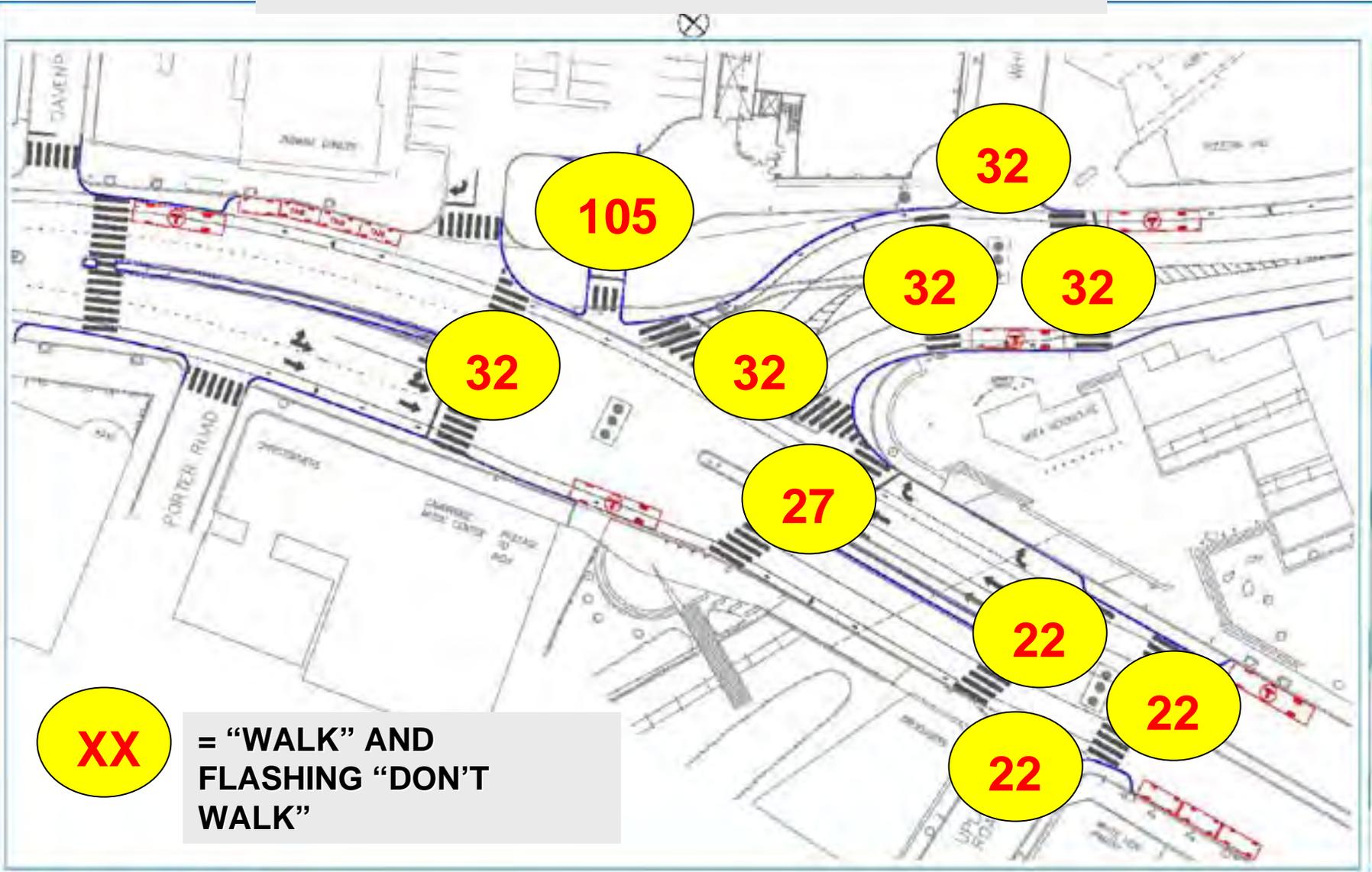
6 SECS.

SIGNAL TIMING (A.M. PEAK)



9 SECS.

CROSSWALK TIME PER 120-SEC CYCLE



XX

= "WALK" AND
FLASHING "DON'T
WALK"



STREETSCAPE AND PLAZA DESIGN



PORTER SQUARE SURFACE IMPROVEMENTS:

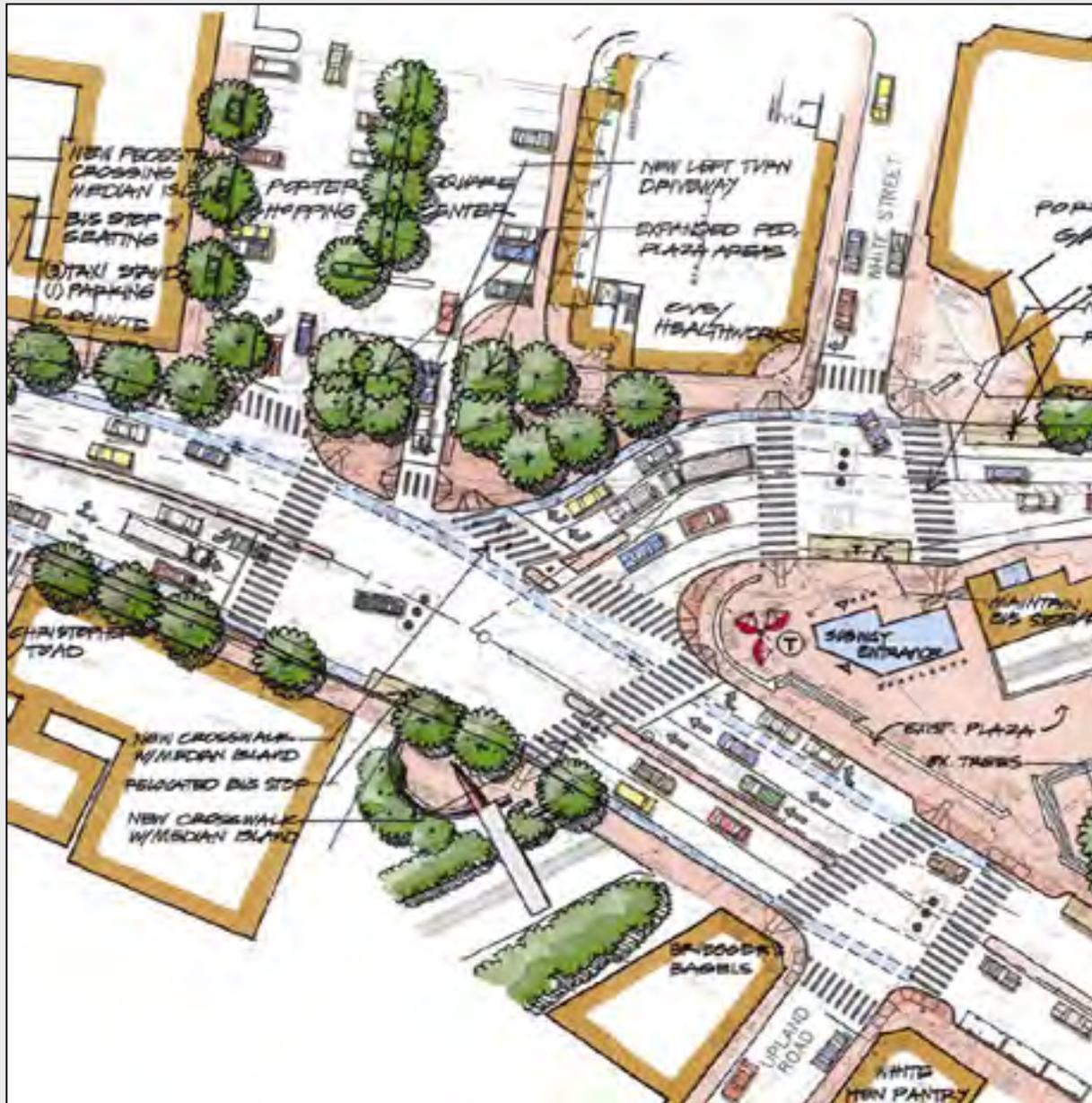
DATE: 10/10/07

PROJECT: PORTER SQUARE

FEBRUARY 2009

PREPARED BY: [unreadable] ENGINEERS & ARCHITECTS

STREETSCAPE AND PLAZA DESIGN



STREETSCAPE AND PLAZA DESIGN



REDUCE VEHICULAR DOMINANCE

- ✓ ***REALIGN ROADWAYS TO REDUCE PAVEMENT AREA AND CREATE SIGNIFICANT NEW PEDESTRIAN SPACE***



IMPROVE CONDITIONS FOR PEDS/BIKES/TRANSIT USERS

- ✓ ***ADD 7 NEW CROSSWALKS***
- ✓ ***LONGER CROSSING
TIMES / ELIMINATE 2-STEP
CROSSINGS***
- ✓ ***PROVIDE BICYCLE LANES***
- ✓ ***COORDINATE BUS STOPS /
CROSSWALK LOCATIONS***



REDUCE TRAFFIC ON LOCAL STREETS

✓ ***PROVIDE BETTER BALANCE OF VEHICLES EXITING THE SHOPPING CENTER***



IMPROVE STREETScape / CREATE SENSE OF PLACE

- ✓ ***UPGRADE PLANTINGS, SIDEWALKS, LIGHTING***
- ✓ ***INCORPORATE ARTWORK INTO PLAZA***
- ✓ ***ESTABLISH COMMON DESIGN ELEMENTS***



MAINTAIN TRAFFIC LOS AT OR NEAR EXISTING

- ✓ ***INCREASED DELAY IN MORNING PEAK AT SIGNALIZED INTERSECTIONS***
- ✓ ***IMPACTS ARE WITHIN REASONABLE LIMITS FOR URBAN AREA SUCH AS PORTER SQUARE***
- ✓ ***DECREASED DELAY AT UNSIGNALIZED INTERSECTIONS***



COMPARISON OF EXISTING VS. PROPOSED

	<u>Existing</u>	<u>Proposed</u>
# OF CROSSWALKS IN PROJECT AREA:	4	11
% PEDESTRIAN PHASE IN PORTER SQ. SIGNAL CYCLE:	18%	26%
# OF LEGAL TURNS FROM SHOPPING CTR. TO MASS AVE SB:	0	Up to 150 per hour
# OF PARKING SPACES IN PROJECT AREA:	20	18

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SMALL GROUP DISCUSSIONS



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